

Ebullitions, or Disches, even in the Vales themselves, and in the incompassing Hills also; this will, from this supposition, (which I have; I think, upon very good reason taken) be exceeding easily explicable; for, as I have several times also observ'd, in the surface of Alabaſter ſo ordered, as I before describ'd, ſo may the later eruptions of vapours be even in the middle, or on the edges of the former; and other ſucceeding theſe alſo in time may be in the middle or edges of theſe, &c. of which there are Inſtances enough in divers parts of the body of the Moon, and by a boyling pot of Alabaſter will be ſufficiently exemplif'd.

To conclude therefore, it being very probable, that the Moon has a principle of gravitation, it affords an excellent diſtinguiſhing Inſtance in the ſearch after the cauſe of gravitation, or attraction, to hint, that it does not depend upon the diurnal or turbinated motion of the Earth, as ſome have ſomewhat inconfiderately ſuppoſed and affirmed it to do; for if the Moon has an attractive principle, whereby it is not only ſhap'd round, but does firmly contain and hold all its parts united, though many of them ſeem as looſe as the ſand on the Earth, and that the Moon is not mov'd about its Center; then certainly the turbination cannot be the cauſe of the attraction of the Earth; and therefore ſome other principle muſt be thought of, that will agree with all the ſecundary as well as primary Planets. But this, I confeſs, is but a probability, and not a demonſtration, which (from any Obſervation yet made) it ſeems hardly capable of, though how ſucceſſful future indeavours (promoted by the meliorating of Glaſſes, and obſerving particular circumſtances) may be in this, or any other, kind, muſt be with patience expected.

F I N I S.

## THE TABLE

Pag.

1 Obſervat. 1. Of the point of a Needle.

ſome other Ph  
depending on th

2 **A** Deſcription of it: what other Bodies have the ſharpeſt points: of the ruggedneſs of poliſht Metal. A deſcription of a printed point. Of very ſmall writing, and the uſe of it for ſecret intelligence: the cauſe of the coarſeneſs of printed lines and points.

Obſerv. 6.

The exceeding theſe Bodies B lowneſs of theſe ver'd: ſeveral P tion'd. An atte from the congru Bodies: what th hypothetical exp the fluidity of the Phenomena of congruity; illuſtr periments: what to theſe propertie the roundneſs of Bodies: how the into a ſmall hol body is hindrea multitude of Pl hereby. Several

4 Obſerv. 2. Of the Edge of a Razor.

A deſcription of it: the cauſes of its roughneſs: of the roughneſs of very well poliſht Optick Glaſſes.

Obſerv. 3. Of fine Lawn.

A deſcription of it: A ſilken Flax mention'd, an attempt to explicate the Phenomena of it, with a conjecture at the cauſe of the głoſs of Silk.

Obſerv. 4. Of Tabby.

A ſhort deſcription of it. A conjecture about the reaſon why Silk is ſo ſuſceptible of vivid colours: and why Flax and Hair is not. A conjecture, that it may perhaps be poſſible to ſpin a kind of artificial Silk out of ſome glutinous ſubſtance that may equalize natural Silk.

8 Obſerv. 5. Of water'd Silks.

The great unaccurateness of artificial works. A deſcription of a piece of water'd Silk; an Explication of the cauſe of the Phenomena: the way by which that operation is perform'd.

1. Concerning th through differing cerning Gravity roundneſs of the nets. 4. Concern Fruits, Stones, Bodies. His High way of making S of Hail. Of the Stone, and of the cerning ſpringi 6. Concerning th tains; ſeveral H ments relating th the diſſolution of 8. Concerning th Principle: what making and apply